AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listing of claims in the Application. Please amend the claims to read as follows and cancel without prejudice or disclaimer the claims marked as canceled:

1. **(Currently Amended)** A method of [[selecting]] scanning channels, the method comprising:

   determining an identifier of a wireless device in a current area where a ~~wireless device~~ station is currently situated;

   using said [[determination]] identifier to identify a plurality of channels ~~useable for transmissions~~ with which said station has previously associated within [[in]] said current area; and

   scanning said plurality of channels according to a scanning order ~~associated with said current area~~ determined by an associative history of the plurality of channels. ~~to find a channel being currently used for transmissions in the current area.~~

2. **(Currently Amended)** ~~A method as in claim 1, comprising identifying a wireless basic service set operating in said current area.~~ A method as in Claim 1, wherein the wireless device provides a basic service set.

3. **(Currently Amended)** ~~A method as in claim 2, wherein identifying said wireless basic service set comprises assuming said service set has been recently associated with.~~ A method as in Claim 1, wherein said identifier is determined by assuming the station has recently associated with said wireless device.

4. **(Canceled)**

5. **(Canceled)**

6. **(Currently Amended)** A method as in claim 1, comprising selecting a channel from said plurality of channels with [[upon]] which to associate.

7. **(Previously Presented)** A method as in claim 6, wherein selecting includes at least evaluating a quality of transmission of at least one of said plurality of channels.

8. **(Currently Amended)** A method as in claim 1, comprising updating a list of channels ~~useable for transmissions in said current area~~ with data collected in a scan of said plurality of [[identified]] channels.

9. **(Original)** A method as in claim 1, comprising updating a list of service sets with service sets that are identified during said scanning.

10. **(Previously Presented)** A method as in claim 1, comprising updating said scanning order based on data collected about said plurality of channels.

11. **(Currently Amended)** A ~~wireless communication device~~ station comprising:

a processor to determine an identifier of a wireless device in a current area where ~~the wireless communication device~~ the station is currently situated and use said [[determination]] identifier to identify a plurality of channels ~~usable for transmissions~~ with which the station has previous associated within [[in]] said current area and ~~select at least one of said plurality of channels for scanning~~ scan said plurality of channels according to a scanning order determined by an associative history of said plurality of channels ~~associated with said current area~~; and

a memory operably connected to said processor to store data about said plurality of channels.

12. **(Currently Amended)** A [[device]] station as in claim 11, wherein said processor is to detect a service set and select at least one channel used for transmissions with said service set.

13. **(Currently Amended)** A [[device]] station as in claim 11, wherein said processor is to detect a basic service set operating in said current area and to select at least one channel used for transmissions in the current area of said basic service set.

14. **(Currently Amended)** A [[device]] station as in claim 11, wherein said memory is to store data about channels used for transmissions with at least one service set.

15. **(Currently Amended)** A [[device]] station as in claim 11, wherein said memory is to store data about transmitters in the current area of a basic service set.

16. **(Currently Amended)** A [[device]] station as in claim 11, wherein said processor is to select an access point for association based on a quality of transmission with said access point.

17. **(Currently Amended)** A [[device]] station as in claim 11, wherein said processor is to update said memory with data collected in said scanning.

18. **(Canceled)**

19. **(Currently Amended)** ~~An article~~ A station comprising a processor readable storage medium having instructions for a processor stored thereon that, when executed by the processor, result in:

determining an identifier of a wireless device in a current area where ~~a wireless device~~ the station is currently situated;

using said [[determination]] identifier to identify a plurality of channels ~~useable for transmissions~~ with which the station has previously associated within [[in]] said current area; and

scanning said plurality of channels according to a scanning order ~~associated with said current area~~ determined by an associative history of said plurality of channels. ~~to find a channel being currently used for transmissions in the current area.~~

20. **(Currently Amended)** ~~An article~~ A station as in claim 19, wherein said execution of said instructions further result in updating a [[table]] list of ~~said identified~~ channels with data collected [[during]] in a scan of said plurality of channels.

21. **(Currently Amended)** ~~An article~~ A station as in claim 19, wherein said execution of said instructions further result in updating said scanning order ~~ordering said identified channels for scanning~~ based on data collected ~~on~~ about said plurality of channels.

22. **(Currently Amended)** A ~~communication device~~ station comprising:

a dipole antenna;

a processor operably connected to said dipole antenna to determine an identifier of a wireless device in a current area where ~~the wireless communication device~~ the station is currently situated and use said [[determination]] identifier to identify a plurality of channels ~~usable for transmissions~~ with which the station has previous

associated within [[in]] said current area and ~~select at least one of said plurality of channels for scanning~~ scan said plurality of channels according to a scanning order determined by an associative history of said plurality of channels ~~associated with said current area~~; and

a memory operably connected to said processor to store data about said plurality of channels.

23. **(Currently Amended)** A ~~communication device~~ station as in claim 22, wherein said processor is to detect a service set operating in said current area and select at least one channel used for transmissions with said service set.

24. **(Currently Amended)** A ~~communication device~~ station as in claim 22, wherein said processor is to update a [[table]] list of channels with data collected [[during]] in a scan of said plurality of channels.

25. **(Previously Presented)** A communication system comprising:

a station;

an access point;

a controller to identify at least one channel to be scanned in an area from among a plurality of channels upon which said access point transmits; and

a memory to store data about said plurality of channels useable for transmissions in said area, wherein said data includes at least a scanning order associated with said area.

26. **(Original)** A communication system as in claim 25, wherein said controller is used to detect a service set in said area.

27. **(Original)** A communication system as in claim 25, wherein said controller is to update a table of said identified channels with data collected on said at least one channel.

28. **(New)** The method of Claim 1, wherein said identifier is determined by receiving a transmission from said wireless device.